



EPIC® POWER LS1 F6

Circular connectors for servomotors and power supply



EPIC® POWER LS1 F7

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Info

- For fast and safe wall mounting of a cable extension

Suitable contacts:

- EPIC® POWER LS1 Contacts male Page 658
- PU = 5 pieces: the contacts are included. 2 mm contact crimp range is 0.5 - 2.5 mm².
- PU = 20 pieces: the contacts must be ordered separately

Benefits

- High power at smallest installation space, Optimal solution for electric motors
- EMC-optimised design
- Safety use in field environment by high protection class

Application range

- Plant engineering
- Servo drives and servo assemblies

Technical data

| | | | |
|--|---|--|---|
| | Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002635 ETIM 5.0/6.0 Class-Description: Circular connector (industrial connector) | | Number of contacts 3+PE+4(2mm/1mm) 5+PE(2mm) |
| | Rated voltage (V) 630 V (2 mm contacts) 250 V (1 mm contacts) | | Termination methods Crimp termination: 0.5 - 4.0 mm ² (2 mm contacts) Crimp termination: 0.14 - 1.0 mm ² (1 mm contacts) |
| | Rated impulse voltage 6 kV (2 mm contacts) 4 kV (1 mm contacts) | | Material Housing: nickel-plated zinc die-casting, nickel-plated brass Insert: PA, Seal: FPM |
| | Rated current (A) 26A/3+PE+4, 25A/5+PE (2mm contacts) 7 A (1 mm contacts) | | Protection rating IP68 (10h/1m) |
| | Pollution degree 3 | | Cycle of mechanical operation 500 |
| | Contact resistance < 4 mOhm | | VDE-tested EPIC® POWER LS1 F6 Certified production control: VDE-REG. no. B25 |
| | Contacts Gold-plated brass | | Temperature range -25°C up to +125°C |

| Article number | Article description | Contacts included | Clamping range in mm | Fastening type | Pin configuration | Pieces / PU |
|--|--|-------------------|----------------------|-------------------------------------|-------------------|-------------|
| Type LS1 F6, cable coupler, 6-pin, for male contacts | | | | | | |
| 73000012 | LS1 F6 | 6 | 8,5 - 11 | | 5+PE | 5 |
| 73000014 | LS1 F6 | | 8,5 - 11 | | 5+PE | 20 |
| 73000013 | LS1 F6 | 6 | 10,5 - 15,5 | | 5+PE | 5 |
| 73000015 | LS1 F6 | | 10,5 - 15,5 | | 5+PE | 20 |
| 76133000 | LS1 F6 | 6 | 7,5 - 15,5 | | 5+PE | 5 |
| 76133510 | LS1 F6 | | 7,5 - 15,5 | | 5+PE | 20 |
| 44420095 | LS1 F6 with 2mm contact for 4mm ² termination | 6 | 14 - 17 | | 5+PE | 5 |
| 44420094 | LS1 F6 | | 14 - 17 | | 5+PE | 20 |
| Type LS1 F6, cable coupler, 8-pin, for male contacts | | | | | | |
| 73000008 | LS1 F6 | 8 | 8,5 - 11 | | 3+PE+4 | 5 |
| 73000010 | LS1 F6 | | 8,5 - 11 | | 3+PE+4 | 20 |
| 73000009 | LS1 F6 | 8 | 10,5 - 15,5 | | 3+PE+4 | 5 |
| 73000011 | LS1 F6 | | 10,5 - 15,5 | | 3+PE+4 | 20 |
| 76134000 | LS1 F6 | 8 | 7,5 - 15,5 | | 3+PE+4 | 5 |
| 76134510 | LS1 F6 | | 7,5 - 15,5 | | 3+PE+4 | 20 |
| 44420093 | LS1 F6 with 2mm contact for 4mm ² termination | 8 | 14 - 17 | | 3+PE+4 | 5 |
| 44420092 | LS1 F6 | | 14 - 17 | | 3+PE+4 | 20 |
| Type LS1 F7, cable coupler with mounting flange, 6-pin, for male contacts | | | | | | |
| 73000020 | LS1 F7 | 6 | 8,5 - 11 | Ø 3.2 mm (4x), M25 x 1.5 (with nut) | 5+PE | 5 |
| 73000021 | LS1 F7 | 6 | 10,5 - 15,5 | Ø 3.2 mm (4x), M25 x 1.5 (with nut) | 5+PE | 5 |
| 73000023 | LS1 F7 | | 10,5 - 15,5 | Ø 3.2 mm (4x), M25 x 1.5 (with nut) | 5+PE | 20 |
| 76143000 | LS1 F7 | 6 | 7,5 - 15,5 | Ø 3.2 mm (4x), M25 x 1.5 (with nut) | 5+PE | 5 |
| Type LS1 F7, 8-pin, for male contacts | | | | | | |
| 73000016 | LS1 F7 | 8 | 8,5 - 11 | Ø 3.2 mm (4x), M25 x 1.5 (with nut) | 3+PE+4 | 5 |
| 73000017 | LS1 F7 | 8 | 10,5 - 15,5 | Ø 3.2 mm (4x), M25 x 1.5 (with nut) | 3+PE+4 | 5 |
| 76144000 | LS1 F7 | 8 | 7,5 - 15,5 | Ø 3.2 mm (4x), M25 x 1.5 (with nut) | 3+PE+4 | 5 |
| 76144510 | LS1 F7 | | 7,5 - 15,5 | Ø 3.2 mm (4x), M25 x 1.5 (with nut) | 3+PE+4 | 20 |

Photographs and graphics are not to scale and do not represent detailed images of the respective products.